



PTO/SB/01 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**Declaration
Submitted
With Initial
Filing

OR

Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney Docket Number	HES 2002-IP-008025U1
First Named Inventor	Jim B. Surjaatmadja
COMPLETE IF KNOWN	
Application Number	10/692,564
Filing Date	10/24/2003
Art Unit	3672
Examiner Name	unknown

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Orbital Downhole Separator

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

10/24/2003

as United States Application Number or PCT International

Application Number

10/692,564

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

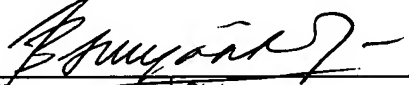

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

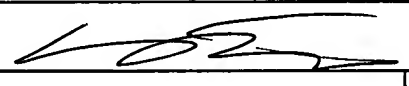

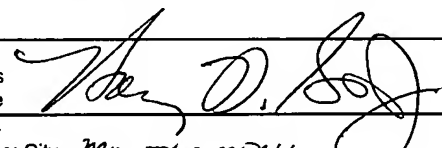
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input checked="" type="checkbox"/> Customer Number: <input type="text" value="29920"/> OR <input type="checkbox"/> Correspondence address below			
Name			
Address			
City		State	ZIP
Country	Telephone	Fax	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) Jim B.		Family Name or Surname Surjaatmadja	
Inventor's Signature 			Date 2/26/04
Residence: City Duncan	State OK	Country U.S.	Citizenship U.S.
Mailing Address 1105 Timbercreek Drive			
City Duncan	State OK	ZIP 73533	Country U.S.
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) Robert K.		Family Name or Surname Michael	
Inventor's Signature 			Date 2-18-04
Residence: City Frisco	State TX	Country U.S.	Citizenship U.S.
Mailing Address 12352 Patmos Lance			
City Frisco	State TX	ZIP 75034	Country U.S.
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.			

DECLARATION**ADDITIONAL INVENTOR(S)**
Supplemental Sheet

Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Liping		Li	
Inventor's Signature 		Date 4/22/04	
Dallas Residence: City	TX State	U.S. Country	Chinese Citizenship
17906 Old Preston Court Mailing Address			
Mailing Address			
Dallas City	TX State	75252 Zip	U.S. Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Syed		Hamid	
Inventor's Signature 		Date 2-18-04	
Dallas Residence: City	TX State	U.S. Country	U.S. Citizenship
7539 Bromwich Court Mailing Address			
Mailing Address			
Dallas City	TX State	75252 Zip	U.S. Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Harry D.		Smith, Jr.	
Inventor's Signature 		Date February 11, 2004	
Houston Residence: City	TX State	U.S. Country	U.S. Citizenship
14730 Bramblewood Drive Mailing Address 18746 GRAND HARBOR POINT			
Mailing Address			
Houston City	TX State	77079 Zip	U.S. Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Jim B. Surjaatmadja et al.

Application No./Patent No.: 10/692,564 Filed/Issue Date: October 24, 2003

Entitled: Orbital Downhole Separator

Halliburton Energy Services, Inc., a corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

29 APR 04

Date

580.251.3782

Telephone number

John W. Wustenberg

Typed or printed name

John W. Wustenberg

Signature

Counsel

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ASSIGNMENT

Whereas, We, Jim B. Surjaatmadja, of Stephens County, Duncan, Oklahoma; Robert K. Michael, of Collin County, Frisco, Texas; Liping Li, of Dallas County, Dallas, Texas; Syed Hamid, of Dallas County, Dallas, Texas; and Harry D. Smith, Jr. of ~~Harris County~~ ^{Montgomery} ~~Houston~~ ^{Montgomery}, Texas, have 1898
2/1/04
invented ORBITAL DOWNHOLE SEPARATOR for which I have made application for Letters Patent of the United States; and

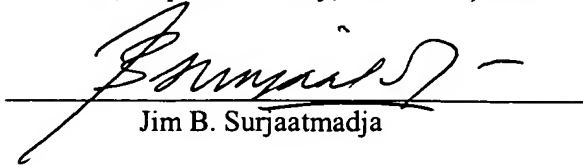
Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application serial number 10/692,564 filed on October 24, 2003, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

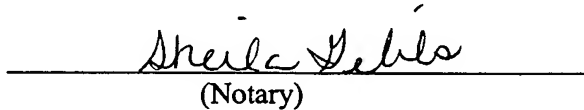
Executed this 28th day of February, 2004, at Duncan, Stephens County, Oklahoma, U.S.A.


Jim B. Surjaatmadja

STATE OF OKLAHOMA)
) ss
COUNTY OF STEPHENS)

Before me personally appeared said Jim B. Surjaatmadja and acknowledged the foregoing instrument to be his free act and deed this 28th day of February 2004.

Seal


(Notary)

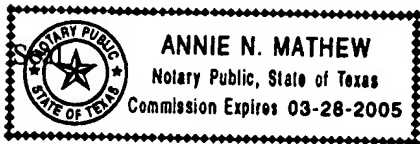
My Commission Expires: September 23, 2004
Commissioner Number: 00014119

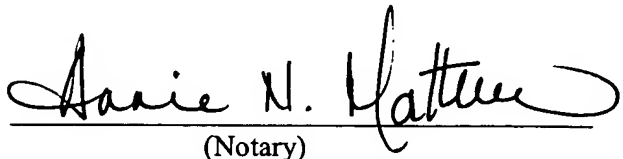
Executed this 18th day of February, 2004, at Carrollton, Dallas County, Texas, U.S.A.


Robert K. Michael

STATE OF TEXAS)
) ss
COUNTY OF DALLAS)

Before me personally appeared said Robert K. Michael and acknowledged the foregoing instrument to be his free act and deed this 18th day of February 2004.




(Notary)

My Commission Expires: 3-28-2005

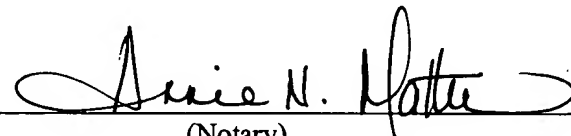
Executed this 22nd day of ^{April}~~February~~, 2004, at Carrollton, Dallas County, Texas, U.S.A.


Liping Li

STATE OF TEXAS)
) ss
COUNTY OF DALLAS)

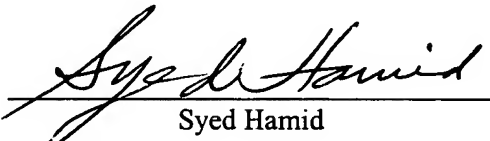
Before me personally appeared said Liping Li and acknowledged the foregoing instrument to be his free act and deed this 22nd day of ^{April}~~February~~ 2004.




(Notary)

My Commission Expires: 3-28-2005

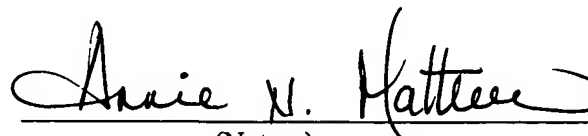
Executed this 18th day of February, 2004, at Carrollton, Dallas County, Texas, U.S.A.


Syed Hamid

STATE OF TEXAS)
) ss
COUNTY OF DALLAS)

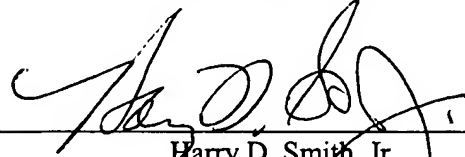
Before me personally appeared said Syed Hamid and acknowledged the foregoing instrument to be his free act and deed this 18th day of February 2004.




(Notary)

My Commission Expires: 3-28-2005

Executed this 11th day of February, 2004, at Houston, Harris County, Texas, U.S.A.

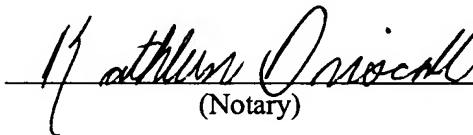


Harry D. Smith, Jr.

STATE OF TEXAS)
) ss
COUNTY OF HARRIS)

Before me personally appeared said Harry D. Smith, Jr. and acknowledged the foregoing instrument to be his free act and deed this 11th day of February 2004.





(Notary)

My Commission Expires:
10-25-05